

Date: Thu, 29 Sep 94 15:50:54 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V94 #1073
To: Info-Hams

Info-Hams Digest Thu, 29 Sep 94 Volume 94 : Issue 1073

Today's Topics:

 [LOOKING] for ftp site w/ham-exams
 Best HT anywhere at any price!
 Callbook online?
 Colorado Repeater Assn.
 FCC forms wireless division
 For Sale: PK-232-MBX TNC
 IPS Daily Report - 27 September 94
Need help with FT-530: half-duplex crossband operation
 Shops in NYC and Boston?
 Subscription
 Tucker Electronics
 UK repeaters frequencies needed ...
 Vertically Polarized Noise
 VTVMs? Anybody use these anymore?
 Why does Radio Shack care if I export HT202? ##

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 29 Sep 1994 02:15:47 GMT
From: intac!usenet@uunet.uu.net
Subject: [LOOKING] for ftp site w/ham-exams
To: info-hams@ucsd.edu

In article <CwsnJM.54s@oakhill.sps.mot.com>, tjohnson@austlcm.sps.mot.com
('terence johnson/zpe4') says:

>

>
>Does anyone know of a good ftp site which has recent example-tests or
>a program that generates them from a question pool. My nieghbor wants
>a PC program which can generate random tests.

>
You might try to ftp: nic.funet.fi /pub/ham/exams
 view the index for latest versions of
 Novice, Tech, General, Advanced and Extra class
 license exam question pools.

Software will drill questions and generate complete exams for practice.

- 73 and good luck -
Thom / N2CBV

Date: 30 Sep 94 00:19:00 GMT
From: news-mail-gateway@ucsd.edu
Subject: Best HT anywhere at any price!
To: info-hams@ucsd.edu

As far as I am concerned, when I am looking for HTs I am looking for:

- Price
- Quality
- Features

The best match is the AT-18, sold by Electro Automatic Corp, of Lawrence MA
01840, 508/687-6411, fax:508/687-6493.

Its looks like a Standard (same commands as well, no bells and whistles -
probably built by the same factory) sold by another name (in Europe its
called ADI-18). Quality and performance is there except that the price is
\$159, not \$459. They even have a AT-48 for the 70cm band for \$179.

No I have nothing to do with this company, but I always support products at
realistic prices.

Beats any kit or any HT at any price.

Peter Vekinis, KC1QF
pve@dg13.cec.be

Date: 29 Sep 1994 00:14:34 GMT
From: spool.mu.edu!news.nd.edu!mac35@uunet.uu.net
Subject: Callbook online?

To: info-hams@ucsd.edu

In article <tjaCw1rHA6.31M@netcom.com>, tja@netcom.com (T.J. Alessi) wrote:

>

> I presently use the callbook server at "callbook.cs.buffalo.edu" and it
> is OK, but does anyone know of others (more up to date that I can telnet
> into?

>

The Buffalo callsign server is updated periodically. It has simply been a while since an update (January). Since then, there has been new info available on CD ROM, so it is probably just a matter of time until the callsign server is brought up to date. I myself have several QSLs which I am holding until there is an update.

Does anyone know when an update is likely to occur? Perhaps after the release of the October update from Buckmaster?

Date: 27 Sep 1994 17:54:36 GMT

From: yuma!galen@purdue.edu

Subject: Colorado Repeater Assn.

To: info-hams@ucsd.edu

In article <CwsL9s.3pw@csn.org> jwdxt@csn.org (Jim Deeming) writes:

>Does anyone have a phone number I could call to get my CRA membership
>underway? I have the mailing address from the Repeater Directory, but it
>does not contain any membership information and I'd like to talk to a real
>person so I can send everything I need the first time.

I joined at the swapfest on Sunday. I can't find a Ph #, but they say to get on the 147.225+ repeater if you have questions.

A family membership is \$20/yr, a student membership is \$10/yr. They asked if I was interested in joining the tech committee or the work crew when I joined.

Colorado Repeater Association

PO Box 621

Parker, CO 80134

Galen, KF0YJ

Date: 28 Sep 1994 17:58:48 -0600

From: mnemosyne.cs.du.edu!nyx.cs.du.edu!not-for-mail@uunet.uu.net

Subject: FCC forms wireless division

To: info-hams@ucsd.edu

In article <1CA69AD1765@thor.cca.rockwell.com>,
William E. Newkirk <wen%pubs%genav.mlb@ns14.cca.cr.rockwell.com> wrote:
>(i dunno, i find it funny that people use the term "Wireless" and
>think it's something new and different than "Radio")
>
>"If It's *Wireless*, It's *Radio*"

uhhh, not to seem inflammatory or anything but, wireless = without wires,
and radio = is using a certain portions of the EM spectrum. Hence people
do not normally consider Infra-red communication or any such, 'radio'.

--
jsteinhu@nyx.cs.du.edu

Date: 28 Sep 1994 06:52:47 GMT
From: ihnp4.ucsd.edu!usc!nic-nac.CSU.net!charnel.ecst.csuchico.edu!olivea!
gossip.pyramid.com!news.c2.org!randyk@network.ucsd.edu
Subject: For Sale: PK-232-MBX TNC
To: info-hams@ucsd.edu

I have a Pk-232-MBX in 'very' good condition. It has 01 AUG. 91
firmware chips installed { 18k plus in the MBX } and comes with the \$75.
We-Fax cable and manual. I also have the original carton for this critter
as well.

I am thinking that \$200. would be ok for this unit { shipping via
U.P.S. etc. won't be that much extra from Berkeley }.

Just drop me a reply here if you have any questions that I can help
you with re: the unit.

Sincerely;

Randy Kielich N6WDV randyk@c2.org

Date: Tue, 27 Sep 1994 23:36:22 GMT
From: ihnp4.ucsd.edu!swrinde!sgiblab!munnari.oz.au!yarrina.connect.com.au!
news.uwa.edu.au!harbinger.cc.monash.edu.au!news.cs.su.oz.au!metro!ipso!
rwc@network.ucsd.edu
Subject: IPS Daily Report - 27 September 94
To: info-hams@ucsd.edu

SUBJ: IPS DAILY SOLAR AND GEOPHYSICAL REPORT
ISSUED AT 27/2330Z SEPTEMBER 1994 BY IPS RADIO AND SPACE SERVICES
FROM THE REGIONAL WARNING CENTRE (RWC), SYDNEY.
SUMMARY FOR 27 SEPTEMBER AND FORECAST FOR 28 SEPTEMBER - 30 SEPTEMBER

1A. SOLAR SUMMARY

Activity: very low

Flares: none.

Observed 10.7 cm flux/Equivalent Sunspot Number : 75/13

GOES satellite data for 26 Sep

Daily Proton Fluence >1 MeV: 1.0E+06

Daily Proton Fluence >10 MeV: 1.4E+04

Daily Electron Fluence >2 MeV: 3.1E+07 (normal)

X-ray background: A3.4

Fluence (flux accumulation over 24hrs)/ cm²-ster-day.

1B. SOLAR FORECAST

	28 Sep	29 Sep	30 Sep
Activity	Very low	Very low	Very low
Fadeouts	None expected	None expected	None expected

Forecast 10.7 cm flux/Equivalent Sunspot Number for 28 Sep: 75/13

2A. MAGNETIC SUMMARY

Geomagnetic field at Learmonth: quiet to unsettled

Estimated Indices : A	K	Observed A Index 26 Sep
Learmonth	9 2223 2322	
Fredericksburg	13	16
Planetary	18	20

Observed Kp for 26 Sep: 3445 3222

2B. MAGNETIC FORECAST

DATE	Ap	CONDITIONS
28 Sep	15	Quiet to unsettled
29 Sep	12	Quiet to unsettled
30 Sep	10	Quiet to unsettled

3A. GLOBAL HF PROPAGATION SUMMARY

	LATITUDE BAND		
DATE	LOW	MIDDLE	HIGH
27 Sep	normal	fair-normal	fair-normal

PCA Event : None.

3B. GLOBAL HF PROPAGATION FORECAST

	LATITUDE BAND		
DATE	LOW	MIDDLE	HIGH
28 Sep	normal	normal	fair-normal
29 Sep	normal	normal	normal
30 Sep	normal	normal	normal

4A. AUSTRALIAN REGION IONOSPHERIC SUMMARY

Observed

DATE	T-index	MUFs at Sydney
27 Sep	12	near predicted monthly values

Predicted Monthly T-index for September: 20

4B. AUSTRALIAN REGION IONOSPHERIC FORECAST

DATE	T-index	MUFs
28 Sep	15	Near predicted monthly values
29 Sep	20	Near predicted monthly values
30 Sep	20	Near predicted monthly values

COMMENT: The MUFs were slightly depressed in the early UT day.

--

IPS Regional Warning Centre, Sydney	IPS Radio and Space Services
RWC Duty Forecaster tel: +61 2 4148329	PO Box 5606
Recorded Message tel: +61 2 4148330	West Chatswood NSW 2057
email: rwc@ips.oz.au fax: +61 2 4148331	AUSTRALIA

Date: 27 Sep 1994 18:27:54 GMT

From: ihnp4.ucsd.edu!swrinde!howland.reston.ans.net!swiss.ans.net!

solaris.cc.vt.edu!news.duke.edu!duke.edu!jbs@network.ucsd.edu

Subject: Need help with FT-530: half-duplex crossband operation

To: info-hams@ucsd.edu

This weekend we were experimenting with crossband repeating and ran into some difficulty with feedback when trying to use the HT transmitting on one band and receiving on the other. With my DJ-580 you set FL (freq lock) and then toggle full-duplex on/off for the active band by pushing the "Power" button. Works great - with FD off no feedback when you transmit. My friend has an FT-530 and nothing in the manual gives any clue about turning off full-duplex operation.

Anybody out there know how to switch it off on a 530?

Thanks in advance...

-joe

--

"When personal freedom's being abused,	"I have an open mind, about everything
you have to move to limit it."	it needs to be open about."
- U.S. President Bill Clinton, 1994	- George Greene 9/13/94

Date: 28 Sep 1994 15:38:57 +0200
From: ihnp4.ucsd.edu!ucsnews!sol.ctr.columbia.edu!howland.reston.ans.net!EU.net!
sunic!news.funet.fi!sauna.cs.hut.fi!elvis.clinet.fi!clinet.fi!
jukka@network.ucsd.edu
Subject: Shops in NYC and Boston?
To: info-hams@ucsd.edu

I'm going to visit NYC and Boston at mid-October. I have been in NYC before, but found only "Barry's Electronics" at 512 Broadway. Is it the only one there? If so, i don't need to visit there this time...

I haven't been in Boston before this, so it would be nice to know, if there's toys for boys available there. Or is there some kind of "Electronics Street", as in some big cities?

73!

--

Jukka Salomaa jukka@clinet.fi OH2BUA
phone +358 400 315 444 puhelin 9400 315 444

Date: 29 Sep 94 19:20:15 GMT
From: news-mail-gateway@ucsd.edu
Subject: Subscription
To: info-hams@ucsd.edu

Suscribe.

Date: Wed, 28 Sep 1994 02:31:38 GMT
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!news.sprintlink.net!
redstone.interpath.net!ddsw1!news.kei.com!yeshua.marcam.com!
charnel.ecst.csuchico.edu!csusac!csus.edu!netcom.com!edlawson@network
Subject: Tucker Electronics
To: info-hams@ucsd.edu

The bottom line is Tucker is a very reputable dealer who has been around for years and knows (remembers) what customer service is. Their prices will never be the lowest, but this is not a garage operation and they will be around. If you want som'tin for nut'in as the CW posting went, don't bother with Tucker.

I will admit that their used commercial equipment pricing is out of touch with reality..(goes back to when there was a military budget and when an ambitious sub would pay the price.....they're a little sleepy on this part)

.....jes depends on how bad you want it.....

edlawson@netcom.com

KD5EZ, Austin

Please help Bill
out.....vote
Republican in
November.

--

edlawson@netcom.com

KD5EZ, Austin

Please help Bill
out.....vote
Republican in
November.

Date: 28 Sep 1994 15:16:01 GMT
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!math.ohio-
state.edu!jussieu.fr!cea.fr!usenet@network.ucsd.edu
Subject: UK repeaters frequencies needed ...
To: info-hams@ucsd.edu

73 to everyone,

I'm searching repeaters freq. in VHF and UHF for UK and especially
for KENT and SUSSEX.

If someone can post that ...

TNX

Note : If you have the same thing for Italy ...

Jean-Christophe MONIER
Ingenieur Reseaux / Networks Engineer
Athesa - C.E.A. Defense - France
E-Mail : jcmonier@muguet.saclay cea.fr
Phone : (33/1) 69.08.56.41

Date: 27 Sep 1994 14:12:07 -0400
From: newstf01.cr1.aol.com!newsbf01.news.aol.com!not-for-mail@uunet.uu.net
Subject: Vertically Polarized Noise
To: info-hams@ucsd.edu

In article <369hac\$qko@westnet.westnet.com>, lgreco@westnet.westnet.com
(Luigi Greco) writes:

>Why is most man-made noise vertically polarized?

(quick-and-dirty explanation follows):

It's mostly a function of how the noise is actually measured. That is, most man-made noise measurements of interest take place very near ground level (in a building, car, etc.). Since you're low to the ground, and the earth is a fairly good conductor at low frequencies (HF), the horizontal component of the noise electric field gets cancelled out due to the boundary condition imposed by the earth (same physics as vertical electric fields reflect without phase reversal, but horizontal ones phase shift 180 degrees). So in the process of observing these noise fields, only the vertically polarized ones exist at the measurement points.

If you went up in the sky and measured the same quantity, you'd find both polarizations.

scott nx7u

Date: 28 Sep 1994 22:06:21 GMT
From: news.tek.com!tek4.cse.tek.com!royle@uunet.uu.net
Subject: VTVMs? Anybody use these anymore?
To: info-hams@ucsd.edu

Tom Randolph (randolph@est.enet.dec.com):

: I picked up a neat old VTVM ("Knight" by Allied Radio) for \$3 at a flea
: this. . .

: Anybody still use these things? Any thoughts on a probe for it? How about
: calibrating it? I'm gonna measure a few 1% resistors to get that scale set, but
: I dunno about the voltage scales - maybe one of those 1.2V reference chips?

Sure. Anybody with discriminating eyes can see that the VTVMs give very
noticeably smoother readings, unlike the harsh, crystalline readings of
the solid-state meters. I don't care what tests you run, the readings
just look better. I understand that the Japanese are particularly fond
of VTVMs, so there must be something to it.

It's also been found that you get better readings if the probe cable's
impedance matches the input impedance of the VTVM. (Boy, is the center
conductor small!) Gold plated connectors help, too. Some authorities have
reported that a green magic marker applied to the meter rim noticeably
enhances readings, but I haven't tried this myself.

Better get yours before they're all snatched up by the metrophiles!

Sorry, sometimes I just can't resist. . . ;-]

Roy Lewallen, W7EL
roy.lewallen@tek.com

Date: 27 Sep 1994 18:20:01 GMT
From: ihnp4.ucsd.edu!swrinde!howland.reston.ans.net!wupost!bigfoot.wustl.edu!
motel6.cec.wustl.edu!j1w3@network.ucsd.edu
Subject: Why does Radio Shack care if I export HT202? ###
To: info-hams@ucsd.edu

In article <barry.490.000AF159@indirect.com>,
Barry Rose <barry@indirect.com> wrote:
>In article <lestrade.780506240@Ra.MsState.Edu> lestrade@Ra.MsState.Edu (John
Patrick Lestrade) writes:

>>I am brand new to ham radio and yesterday in a RS when I asked aboout
>>their sale on the HT202, the salesman asked me if I intended to take it
>>out of the country. (I happened to be with a french friend whose accent
>>was obvious.) I am not going, unfortunately, out of the country!
>>can anyone enlighten me as to why this is 'illegal'?
>

>I am not sure it is illegal but I have heard that the repeaters in Europe use
>a different scheme than we do here. Here we use one pl tone to access a

>repeater, (sub-audible tone that you must have installed in your radio to
>brind up the repeater). This means that a rig made for the US will have to
>have their type of tone encoder installed or you will not have access to their

You are right about this. I have not traveled to europe, but you might notice a few things. In Europe, they, indeed, do not usually use pl tones for squelch. I believe, instead, they use an audible 1650 Hz (?) tone at the beginning of each transmission to key the repeater. You may also notice, if you check the product information guides from Icom, Yaesu, Alinco, etc. (those companies who sell both here and overseas) that there is usually both a US and European version of each model, plus maybe asian, etc. Remember that other countries have other band plans; some european countries have not 144-148 as the 2m band but other frequencies.

What's really surprising is that the RS person would know about anything like this. It's quite out of their character to be educated ;)

Anyway, this is what I understand

--jesse

AB5XC

(btw, my call only took 8 weeks to process, unlike my tech+ call, which took 32 weeks!)

Date: Wed, 28 Sep 1994 19:27:59 GMT

From: wang!dbushong@uunet.uu.net

To: info-hams@ucsd.edu

References <Cwq6yt.C41@indep1.chi.il.us>, <367ag1\$c8a@nntpd.lkg.dec.com>,

<CwtBL9.JFF@indep1.chi.il.us>

Subject : Re: Answer to "How far can I talk?"

clifto@indep1.chi.il.us (Clifton T. Sharp) writes:

> Uh, Todd, wanna try that again? (Clues below. :-)

>In article <Cwq6yt.C41@indep1.chi.il.us>, clifto@indep1.chi.il.us (Clifton T. Sharp) writes:

>The formula is $\sqrt{2 * h}$.

>In article <367ag1\$c8a@nntpd.lkg.dec.com> little@iamu.chi.dec.com (Todd Little) writes:

>The formula is $\sqrt{2} * \sqrt{h}$. This is 50% greater.

Uh, Cliff, wanna try that again? (Clues below. :-)

True, it is 50% greater than something, I suppose, but not of the correct answer. It is 0% greater than the correct answer. Let's look into this further, using real numbers for "h".

Let "h" = 1,000,000 feet

Formula 1)

D = sqrt(2*h)
= sqrt(2000000)
= 1414.213...

Formula 2)

D = sqrt(2) * sqrt(h)
= 1.414213... * 1000
= 1414.213...

So that a million-foot-high antenna will talk about 1400 miles.

Can I get one of them from Texas Towers?

Dave, KZ10

--

Dave Bushong
OPEN/image Recognition Products

Date: Mon, 26 Sep 1994 09:14:39 +0000

From: ihnp4.ucsd.edu!swrinde!howland.reston.ans.net!EU.net!sun4n1!hacktic!cpzap!
zap@network.ucsd.edu

To: info-hams@ucsd.edu

References <CwJFEy.FDK@hpmoea.sqf.hp.com>, <roy-220994141047@mchip8.med.nyu.edu>,
<cgwh.111.000B0400@chevron.com>

Subject : Re: Why is aviation COM VHF *amplitude* modulated?

In article <cgwh.111.000B0400@chevron.com>
cgwh@chevron.com (Curtis Wheeler) writes:

> In article <roy-220994141047@mchip8.med.nyu.edu> roy@nyu.edu (Roy Smith) writes:
>

> >dstock@hpmqmdla.sqf.hp.com (David Stockton) wrote:

> >> In this way the whole world (except
> >> the odd reclusive country) would have to change over at once.
>
> >Why? You pick some unused band and simulcast AM on 118-136 MHz and FM on
> >the other one using channel-pairing. That way, planes equipped with the
> >new equipment can use it and people with the old stuff can continue to use
> >that. Gradually (after 10 or 20 years, or whatever interval seems
> >appropriate) you force the remaining few to switch over.
>
> >Not that I'm convinced this would be practical, but it's certainly
> >possible.
>
> From a technical standpoint it would be possible. However there isn't any
> >suitable RF spectrum available for such an undertaking.

Well it depends. Here at the AT-Centre we use paired VHF-UHF frequencies,
which multicast upon demand. This is done for civil/military coordination.
It will however be from a human standpoint impossible. If it's busy, then it
takes a lot from the controller to listen to both frequencies together.
But then, the militaries don't use these frequencies, because they have their
own ATC's.

-martin-

e-mail: zap@cpzap.xs4all.nl

'This message was brought to you, with the help of subliminal advertising.'

Date: Mon, 26 Sep 1994 09:15:54 +0000
From: ihnp4.ucsd.edu!swrinde!howland.reston.ans.net!EU.net!sun4nl!hacktic!cpzap!
zap@network.ucsd.edu
To: info-hams@ucsd.edu

References <CwInpI.G5L@news.Hawaii.Edu>, <8g5Dc2j030n@cpzap.xs4all.nl>,
<35uf24\$mhr@cmcl2.NYU.EDU>,,
Subject : Re: Why is aviation COM VHF *amplitude* modulated?

In article <35uf24\$mhr@cmcl2.NYU.EDU>
roy@mchip00.med.nyu.edu (Roy Smith) writes:

> zap@cpzap.xs4all.nl (Martin Heffels) writes:
> >AM also suffers much from ignition noise, generated by cars, which makes
> >mobile comms very difficult.
>
> Why should a gasoline piston engine in a car produce any more or less

> ignition noise than a gasoline piston engine in an airplane? In fact, the
> airplane has twice as much ignition stuff per cylinder, so I would expect it
> to produce more.

Because an a/c engine is much better shielded than a car's engine.

-martin-

e-mail: zap@cpzap.xs4all.nl

'This message was brought to you, with the help of subliminal advertising.'

End of Info-Hams Digest V94 #1073
